Recombinant WRT3 protein (His tag)

Catalog Number	536738
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q20170
Gene ID	177781
Molecular Weight	Predictes a molecular mass of 20.39 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	20-179
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 20-179 aa (Q20170) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Warthog protein 3 (wrt-3) fragment (residues 20-179) from Caenorhabditis elegans, representing a stable and soluble unit ideal for structural and biochemical investigations of this essential developmental signaling protein. Warthog protein 3 (UniProt ID: Q20170) is an intercellular signal critical for multiple patterning events during development in Caenorhabditis elegans. As a secreted protein, it functions in extracellular signaling pathways to coordinate developmental processes. The selected fragment (residues 20-179) encompasses a computationally predicted stable domain that maintains structural integrity while being suitable for experimental applications.